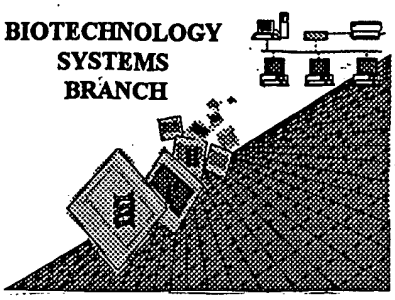
0590
0103

RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/006,252
Source: OIPE
Date Processed by STIC: 12/19/01

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by the treatment given to all mail coming via the Brentwood Mail Facility.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:
1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, **EFS Submission User Manual** - ePAVE)
2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, 1911 South Clark Street, Crystal Mall One, Sequence Information, Arlington, VA 22202
   Or
   U.S. Patent and Trademark Office, 2011 South Clark Place, Customer Window, Box Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, Virginia 22202
4. Federal Express Delivery, 2011 South Clark Street, Crystal Plaza 2, Room 1B03-Mailroom, Box Sequence, Arlington, VA 22202

Raw Sequence Listing Error Summary

ERROR DETECTED **SUGGESTED CORRECTION** **SERIAL NUMBER:** 10/006,252

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1_____Wrapped Nucleics
Wrapped Aminos — The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2_____Invalid Line Length — The rules require that a line not exceed 72 characters in length. This includes white spaces.

3_____Misaligned Amino Numbering — The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4_____Non-ASCII — The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5_____Variable Length — Sequence(s)____contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6_____PatentIn 2.0 "bug" — A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7_____Skipped Sequences (OLD RULES) — Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8_____Skipped Sequences (NEW RULES) — Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9_✓__Use of n's or Xaa's (NEW RULES) — Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10_____Invalid <213> Response — Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11_____Use of <220> — Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12_____PatentIn 2.0 "bug" — Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

RAW SEQUENCE LISTING DATE: 12/19/2001
PATENT APPLICATION: US/10/006,252 TIME: 15:15:34

Input Set : A:\SYN-034DV.ST25.txt
Output Set: N:\CRF3\12192001\J006252.raw

Does Not Comply
Corrected Diskette Needed

Errors on pp. Error pp 1+2

```
      3 <110> APPLICANT: De Samblanx, Genoveva
      4       Broekaert, Willem
      5       Rees, Sarah
      7 <120> TITLE OF INVENTION: Antifungal Proteins
      9 <130> FILE REFERENCE: SYN-034DV
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/006,252
C--> 12 <141> CURRENT FILING DATE: 2001-12-04
     14 <150> PRIOR APPLICATION NUMBER: 09/077,951
     15 <151> PRIOR FILING DATE: 1998-06-10
     17 <150> PRIOR APPLICATION NUMBER: GB 9525474.4
     18 <151> PRIOR FILING DATE: 1995-12-13
     20 <150> PRIOR APPLICATION NUMBER: PCT/GB96/03065
     21 <151> PRIOR FILING DATE: 1996-12-12
     23 <160> NUMBER OF SEQ ID NOS: 77
     25 <170> SOFTWARE: PatentIn Ver. 2.0
     27 <210> SEQ ID NO: 1
     28 <211> LENGTH: 36
     29 <212> TYPE: DNA
     30 <213> ORGANISM: Artificial Sequence
     32 <220> FEATURE:
     33 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
     35 <400> SEQUENCE: 1
     36 tatcagtcga cgcatgctat tgataagatt taaagg                          36
     38 <210> SEQ ID NO: 2
     39 <211> LENGTH: 37
     40 <212> TYPE: DNA
     41 <213> ORGANISM: Artificial Sequence
     43 <220> FEATURE:
     44 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
     46 <400> SEQUENCE: 2
     47 aataagcttg gacaagagac agaagttgtg ccaaagg                         37
     49 <210> SEQ ID NO: 3
     50 <211> LENGTH: 28
     51 <212> TYPE: DNA
     52 <213> ORGANISM: Artificial Sequence
     54 <220> FEATURE:
     55 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
     57 <400> SEQUENCE: 3
     58 aaggatccct attaacaagg aaagtagc                                   28
     60 <210> SEQ ID NO: 4
     61 <211> LENGTH: 28
     62 <212> TYPE: DNA
     63 <213> ORGANISM: Artificial Sequence
     65 <220> FEATURE:
     66 <223> OTHER INFORMATION: Description of Artificial Sequence:primer
     68 <400> SEQUENCE: 4
     69 aatgctagct cagaagttgt gccaaagg                                   28
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RAW SEQUENCE LISTING DATE: 12/19/2001
PATENT APPLICATION: US/10/006,252 TIME: 15:15:34

Input Set : A:\SYN-034DV.ST25.txt
Output Set: N:\CRF3\12192001\J006252.raw

<210> SEQ ID NO: 5
<211> LENGTH: 20
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence:primer
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aggaaacagc tatgaccatg 20
<210> SEQ ID NO: 6
<211> LENGTH: 41
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence:primer
<400> SEQUENCE: 6
ggaatagccg atggagatct aggaaaacag ctatgaccat g 41
<210> SEQ ID NO: 7
<211> LENGTH: 24
<212> TYPE: DNA
<213> ORGANISM: Artificial Sequence
<220> FEATURE:
<223> OTHER INFORMATION: Description of Artificial Sequence:primer
<400> SEQUENCE: 7
ggaatacccg atcgagatct agga 24
<210> SEQ ID NO: 8
<211> LENGTH: 51
<212> TYPE: PRT
<213> ORGANISM: Raphanus sativus
<400> SEQUENCE: 8
Gln Lys Leu Cys Glu Arg Pro Ser Gly Thr Trp Ser Gly Val Cys Gly
1 5 10 15
Asn Asn Asn Ala Cys Lys Asn Gln Cys Ile Asn Leu Glu Lys Ala Arg
20 25 30
His Gly Ser Cys Asn Tyr Val Phe Pro Ala His Lys Cys Ile Cys Tyr
35 40 45
Phe Pro Cys
50
<210> SEQ ID NO: 9
<211> LENGTH: 51
<212> TYPE: PRT
<213> ORGANISM: Raphanus sativus
<400> SEQUENCE: 9
Gln Lys Leu Cys Gln Arg Pro Ser Gly Thr Trp Ser Gly Val Cys Gly
1 5 10 15
Asn Asn Asn Ala Cys Lys Asn Gln Cys Ile Arg Leu Glu Lys Ala Arg
20 25 30
His Gly Ser Cys Asn Tyr Val Phe Pro Ala His Lys Cys Ile Cys Tyr
35 40 45
Phe Pro Cys

RAW SEQUENCE LISTING DATE: 12/19/2001
PATENT APPLICATION: US/10/006,252 TIME: 15:15:34

Input Set : A:\SYN-034DV.ST25.txt
Output Set: N:\CRF3\12192001\J006252.raw

```
139      50
142 <210> SEQ ID NO: 10
143 <211> LENGTH: 50
144 <212> TYPE: PRT
145 <213> ORGANISM: Raphanus sativus
147 <400> SEQUENCE: 10
148 Lys Leu Cys Glu Arg Ser Ser Gly Thr Trp Ser Gly Val Cys Gly Asn
149   1               5                  10                  15
151 Asn Asn Ala Cys Lys Asn Gln Cys Ile Arg Leu Glu Gly Ala Gln His
152              20                  25                  30
154 Gly Ser Cys Asn Tyr Val Phe Pro Ala His Lys Cys Ile Cys Tyr Phe
155          35                  40                  45
157 Pro Cys
158      50
161 <210> SEQ ID NO: 11
162 <211> LENGTH: 51
163 <212> TYPE: PRT
164 <213> ORGANISM: Raphanus sativus
166 <400> SEQUENCE: 11
167 Gln Lys Leu Cys Glu Arg Ser Ser Gly Thr Trp Ser Gly Val Cys Gly
168   1               5                  10                  15
170 Asn Asn Asn Ala Cys Lys Asn Gln Cys Ile Asn Leu Glu Gly Ala Arg
171              20                  25                  30
173 His Gly Ser Cys Asn Tyr Ile Phe Pro Tyr His Arg Cys Ile Cys Tyr
174          35                  40                  45
176 Phe Pro Cys
177      50
180 <210> SEQ ID NO: 12
181 <211> LENGTH: 27
182 <212> TYPE: PRT
183 <213> ORGANISM: Brassica rapa
185 <400> SEQUENCE: 12
186 Gln Lys Leu Cys Glu Arg Pro Ser Gly Thr Trp Ser Gly Val Cys Gly
187   1               5                  10                  15
189 Asn Asn Asn Ala Cys Lys Asn Gln Cys Ile Asn
190              20                  25
193 <210> SEQ ID NO: 13
194 <211> LENGTH: 27
195 <212> TYPE: PRT
196 <213> ORGANISM: Brassica rapa
198 <220> FEATURE:
199 <221> NAME/KEY: SITE
200 <222> LOCATION: (11)
201 <223> OTHER INFORMATION: Xaa is a non-standard amino acid; thought to be a
202       post-translational modification of a standard
203       amino acid
205 <400> SEQUENCE: 13
W--> 206 Gln Lys Leu Cys Glu Arg Pro Ser Gly Thr Xaa Ser Gly Val Cys Gly
207   1               5                  10                  15
```

RAW SEQUENCE LISTING DATE: 12/19/2001
PATENT APPLICATION: US/10/006,252 TIME: 15:15:34

Input Set : A:\SYN-034DV.ST25.txt
Output Set: N:\CRF3\12192001\J006252.raw

```
209 Asn Asn Asn Ala Cys Lys Asn Gln Cys Ile Arg
210              20                  25
213 <210> SEQ ID NO: 14
214 <211> LENGTH: 30
215 <212> TYPE: PRT
216 <213> ORGANISM: Brassica napus
218 <400> SEQUENCE: 14
219 Gln Lys Leu Cys Glu Arg Pro Ser Gly Thr Trp Ser Gly Val Cys Gly
220   1               5                  10                  15
222 Asn Asn Asn Ala Cys Lys Asn Gln Cys Ile Asn Leu Glu Lys
223              20                  25                  30
226 <210> SEQ ID NO: 15
227 <211> LENGTH: 23
228 <212> TYPE: PRT
229 <213> ORGANISM: Brassica napus
231 <400> SEQUENCE: 15
232 Gln Lys Leu Cys Glu Arg Pro Ser Gly Thr Trp Ser Gly Val Cys Gly
233   1               5                  10                  15
235 Asn Asn Asn Ala Cys Lys Asn
236              20
239 <210> SEQ ID NO: 16
240 <211> LENGTH: 25
241 <212> TYPE: PRT
242 <213> ORGANISM: Sinapis alba
244 <400> SEQUENCE: 16
245 Gln Lys Leu Cys Glu Arg Pro Ser Gly Thr Trp Ser Gly Val Cys Gly
246   1               5                  10                  15
248 Asn Asn Asn Ala Cys Lys Asn Gln Cys
249              20                  25
252 <210> SEQ ID NO: 17
253 <211> LENGTH: 26
254 <212> TYPE: PRT
255 <213> ORGANISM: Sinapis alba
257 <400> SEQUENCE: 17
258 Gln Lys Leu Cys Gln Arg Pro Ser Gly Thr Trp Ser Gly Val Cys Gly
259   1               5                  10                  15
261 Asn Asn Asn Ala Cys Arg Asn Gln Cys Ile
262              20                  25
265 <210> SEQ ID NO: 18
266 <211> LENGTH: 27
267 <212> TYPE: PRT
268 <213> ORGANISM: Arabidopsis thaliana
270 <400> SEQUENCE: 18
271 Gln Lys Leu Cys Glu Arg Pro Ser Gly Thr Trp Ser Gly Val Cys Gly
272   1               5                  10                  15
274 Asn Ser Asn Ala Cys Lys Asn Gln Cys Ile Asn
275              20                  25
278 <210> SEQ ID NO: 19
279 <211> LENGTH: 414
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RAW SEQUENCE LISTING DATE: 12/19/2001
PATENT APPLICATION: US/10/006,252 TIME: 15:15:34

Input Set : A:\SYN-034DV.ST25.txt
Output Set: N:\CRF3\12192001\J006252.raw

<210> TYPE: DNA
<213> ORGANISM: Raphanus sativus
<400> SEQUENCE: 19
gttttattag tgatcatggc taagtttgcg tccatcatcg cacttctttt tgctgctctt 60
gttctttttg ctgctttcga agcaccaaca atggtggaag cacagaagtt gtgcgaaagg 120
ccaagtggga catggtcagg agtctgtgga aacaataacg catgcaagaa tcagtgcatt 180
aaccttgaga aagcacgaca tggatcttgc aactatgtct tcccagctca caagtgtatc 240
tgctactttc cttgttaatt tatcgcaaac tctttggtga atagttttta tgtaatttac 300
acaaaataag tcagtgtcac tatccatgag tgattttaag acatgtacca gatatgttat 360
gttggttcgg ttatacaaat aaagttttat tcaccaaaaa aaaaaaaaaa aaaa 414
<210> SEQ ID NO: 20
<211> LENGTH: 51
<212> TYPE: PRT
<213> ORGANISM: Raphanus sativus
<400> SEQUENCE: 20
Gln Lys Leu Cys Gln Arg Pro Ser Gly Thr Trp Ser Gly Val Cys Gly
1 5 10 15
Asn Asn Asn Ala Cys Lys Asn Gln Cys Ile Arg Leu Glu Lys Ala Arg
20 25 30
His Gly Ser Cys Asn Tyr Val Phe Pro Ala His Lys Cys Ile Cys Tyr
35 40 45
Phe Pro Cys
50
<210> SEQ ID NO: 21
<211> LENGTH: 47
<212> TYPE: PRT
<213> ORGANISM: Sorghum bicolor
<400> SEQUENCE: 21
Arg Val Cys Met Lys Gly Ser Ala Gly Phe Lys Gly Leu Cys Met Arg
1 5 10 15
Asp Gln Asn Cys Ala Gln Val Cys Leu Gln Glu Gly Trp Gly Gly Gly
20 25 30
Asn Cys Asp Gly Val Met Arg Gln Cys Lys Cys Ile Arg Gln Cys
35 40 45
<210> SEQ ID NO: 22
<211> LENGTH: 51
<212> TYPE: PRT
<213> ORGANISM: Raphanus sativus
<400> SEQUENCE: 22
Gln Lys Leu Cys Met Arg Pro Ser Gly Thr Trp Ser Gly Val Cys Gly
1 5 10 15
Asn Asn Asn Ala Cys Lys Asn Gln Cys Ile Arg Leu Glu Lys Ala Arg
20 25 30
His Gly Ser Cys Asn Tyr Val Phe Pro Ala His Lys Cys Ile Cys Tyr
35 40 45
Phe Pro Cys
50
<210> SEQ ID NO: 23
<211> LENGTH: 51

VERIFICATION SUMMARY DATE: 12/19/2001
PATENT APPLICATION: US/10/006,252 TIME: 15:15:35

Input Set : A:\SYN-034DV.ST25.txt
Output Set: N:\CRF3\12192001\J006252.raw

L:11 M:270 C: Current Application Number differs, Replaced Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:822 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:48
L:822 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:48
L:822 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:899 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:55
L:899 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:55
L:899 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77

<210> 48
<211> 27
<212> DNA
<213> Artificial Sequence → must give location of N, and what residue N represents

see error summary sheet — item 9

<220>
<223> Description of Artificial Sequence:primer

<400> 48
ttgtgccaaa ggnnnagtgg gacatgg 27

<210> 55
<211> 26
<212> DNA
<213> Artificial Sequence → same error

<220>
<223> Description of Artificial Sequence:primer

<400> 55
aactatgtct tcnnngctca caagtg 26